

ABSTRACT

In the present invention, even if a mobile terminal is close to a base station, the position of the mobile terminal is measured accurately. The disclosed method for calculating the position of a mobile terminal comprises: measuring the differences between the propagation distances of the signals on the channels between a plurality of base stations and the mobile terminal; determining if the mobile terminal is close to a base station; calculating the position of the mobile terminal by a common formula if it is determined that the mobile terminal is not in close proximity to any of the base stations; calculating the position of the mobile terminal in close proximity to a base station if it is determined that the mobile terminal is in close proximity to one of the base stations; and outputting the position of the mobile terminal calculated through either of the routines for calculating the mobile terminal position.